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No. VI.

TERRY-WIRE DRAWER.

The SILVER ISIS MEDAL and THREE POUNDS were presented to Mr. JOHN FERRY, No. 18 Mape Street, Bethnal Green, for his instrument for drawing out Terry-wires ; a Model of which has been placed in the Society's Repository.

18 Mape Street, Bethnal Green Road,
SIR, February, 7th, 1843.

I HAVE invented an instrument to draw out terry-wires instead of pulling them out with the thumb and finger. The instrument and the way in which I work it will be found of great advantage to the weaver, and will make better work. If you will be so kind as to inform the Society of the same, you will much oblige me ; and if the Society think it worthy of their consideration, I will send a pattern of the instrument and a description of the mode of working it.

I am, Sir, &c.,
To the Secretary of the JOHN FERRY.
Society of Arts.

18 Mape Street, Bethnal Green Road,
SIR, March 22, 1843.

I HAVE received your letter of the 20th inst., and beg leave to return my humble thanks to the Society for the Encouragement of Arts for the honour they have done me in voting their fourth-class medal for my contrivance ; but, at the same time, I feel it my duty to inform the Society that the getting up the invention for drawing out terry-wires cost me at least ten shillings and three days' loss of time ; I most humbly leave the Society to consider whether their fourth-class medal only is suffi-

cient to remunerate a poor weaver for the above loss of time and money, and giving up for the use of the public a useful invention that might have been used for private interest. I hope the Society will pardon the very rude manner in which I have expressed my mind, and remember the poor weaver's education is very humble.

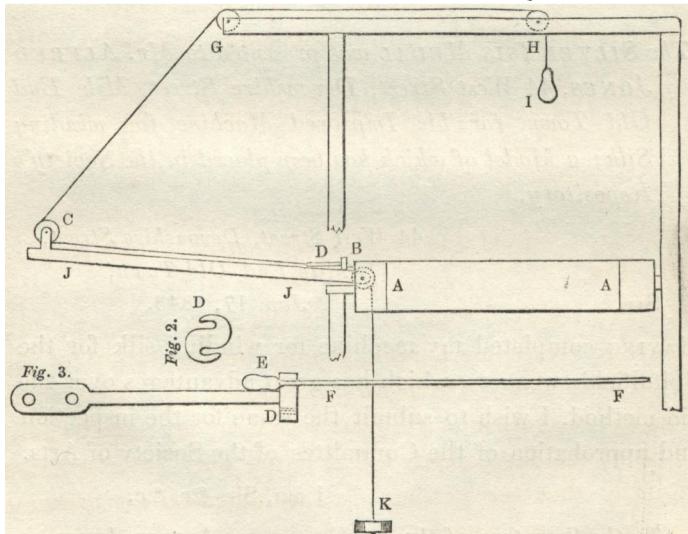
I am, Sir, &c.,

*To the Secretary of the
Society of Arts.*

JOHN FERRY.

The wires used in weaving terry or uncut velvet are usually put in and pulled out of their places by the thumb and first finger of the left hand of the operator, which causes great soreness to the ends of the thumb and finger of the left hand of the weaver, and continual pain in the left arm. Mr. Ferry's invention is to obviate these inconveniences.

Fig. 1.



A A, fig. 1, is the breast-roll of an ordinary loom. The wire F F, fig. 2, is furnished with a knob E, made of

bone, which is caught by the hook *D*, fig. 3, of the key fig. 2, instead of by the thumb and finger as usual.

To the end of the key, fig. 2, is attached a cord, which passes over the pulleys *C*, *G*, and *H*, to a lightly weighted handle *I*, which, being pulled down by the right hand of the operator, draws out the wire in the direction of *C*, along the inclined plane *J J*, from which the weaver removes it, ready to draw out the next wire in order; another cord may be attached to the key, with a weight *K* fastened to it, in order to return the hook from *C* to *D*.

No. VII.

IMPROVED MACHINE FOR WINDING SILK.

The SILVER ISIS MEDAL was presented to Mr. ALFRED JONES, 44 West Street, Devonshire Street, Mile End Old Town, for his Improved Machine for winding Silk; a Model of which has been placed in the Society's Repository.

44 West Street, Devonshire Street,
Mile End, Old Town,

SIR,

Jan. 17, 1843.

HAVING completed my machine for winding silk for the Spitalfields weavers, which has great advantages over the old method, I wish to submit the same for the inspection and approbation of the Committee of the Society of Arts.

I am, Sir, &c. &c.

*To the Secretary of the
Society of Arts.*

ALFRED JONES.